



使用說明書

RH70E35AT



601	tents
1	INTRODUCTION 前言

1~2 SAFETY NOTES 安全注意事項

EQUIPMENT REQUIRED FOR ASSEMBLY

PACKAGE ILLUSTRATION 包裝說明

MODEL STANDARD EQUIPMENT DIFFERENCE 標準配備版本說明

SAFETY CHECK BEFORE FLYING 飛行前安全檢查重要事項

6~18 ASSEMBLY SECTION 組裝說明

19 INSTALLATION FOR ESC 無別測速器安装

EQUIPMENT INSTALLATION 各項設備配置圖

BATTERY INSTALLATION ILLUSTRATION 電池安装示意圖

CANOPY ASSEMBLY 機頭罩安裝

ELECTRIC EQUIPMENT ILLUSTRATION 22 電子設備建議配置圖示

22~23 MICROBEAST PLUS FLYBARLESS MANUAL 無平衡翼系統使用說明

SERVO SETTING AND ADJUSTMENT 24 伺服器設定調整

24 ADJUSTMENTS FOR GYRO AND TAIL NEUTRAL SETTING 陀螺儀與尾翼中立點設定調整

PITCH AND THROTTLE SETTING 主旋翼螺距與油門設定

POWER COLLOCATION REFERENCE 原裝動力數據參考表

BRUSHLESS SPEED CONTROLLER INSTRUCTION MANUAL A 無刷調速器使用說明

28~30 FLIGHT ADJUSTMENT AND SETTING 飛行動作調整與設定

31 TROUBLESHOOTING 飛行中狀況排除



8-AXIS MEMS SENSOR SYSTEM FOR BC-MODELS

Thank you for purchasing Align products. Please read the manual carefully before installing and be sure to retain the manual for future reference. All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement. Specifications, contents of parts and availability are subject to change, ALIGN RC is not responsible for inadvertent errors in this publications.

承蒙閣下選用亞拓遙控世界系列產品,謹表謝意。使用前,請務必詳賜本說 明書,相信一定能夠給您帶來相當大的幫助,也請您妥善保管這本說明書, 以做為日後参考。本公司將不對此印刷物之異動負責,也無法主動通知消費 者任何更新或異動。所有圖片僅用於展示目的。產品可能因改良而有些不 同。本說明書內記載的材質、規格或零件包裝之內容物如有異動,請依亞拓 官網公告為主。

Thank you for buying ALIGN Products. The T-REX 700X Dominator Helicopter is designed as an easy to use, full featured Helicopter Ric Model capable of all forms of rotary light. Please read the manual carrielly before assembling the model, and follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance, and tuning. The T-REX 700X Dominator is a new product developed by ALIGN. It features the best design available on the Micro-Hell market to date, providing flying stability for beginners, full aerobatic capability for advanced filers, and unsurpassed reliability for extourner support.

感謝的選擇近托產品,為了講您容易方便的使用 T-REX 700X Dominator 直昇機、誘唿詳細的樂講先達本說明書之後用進行結長以及幾作達台直昇機,同時講您 妥婚的保存基本的理事,将自己碰到了課款公摊的影響,T-REX 700X Dominator 是由记托自行请發的新產品。不強您是需求飛行機定性的初學者或是施求 性能的所谓發酵者。T-REX 700X Dominator 既是您根据的助理。



Do not attempt under any circumstances. 存任问禁止的環境下,請勿營討場作。



Mishandling due to failure to follow these instructions may result in damage or injury. 因為蒸忽運送後性說明,而使用錯該可能造成財產獨失或嚴重傷害。



Mishandling due to failure to follow these instructions may result in danger. 因為歷歌演述場代的明,而使用難認可能達成何弊。

IMPORTANT NOTES 重要警明

RIC helicopters, including the T-REX 700X Dominator are not toys. RIC helicopter utilize various high-tech products and technologies to provide superior performance. Improgress use of this product can result in serious injury or even death. Please read this manual carefully before using and make sure to be conscious of your own personal safety and the safety of others and your environment when no persting all ALIGN products. Manufacturer and selfer assume no liability for the operation or the use of the product. This product is intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product we cannot maintain any control over its operation or usus.

As the user of this product, you are solely responsible for operating it in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

FAEX 700X Dominator 通信具用是系统等。它能合了各次系列加强从所被计划效的根据语。所以系统心理下面从不能从不能的可能的选择需要需要系统 一、使用了逻辑等的证据系统则指。今前的证法自由信令之一言:任何重要提出的处理,也是是形式的感觉更加较快和中国的影像形式的现在分词 所处上之时为其代则其,本是必是将的影影中感觉自然更加重新成人或等物或技术的人类在另现或的主义。 用:是然此类之处则不是任何其中,是是是用的数据处理的概念,是是

你为本產品的使用者, 您, 是唯一對於您自己提作的環境及行為負金部的責任之人。

We recommend that you obtain the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. The T-REX TOXD Cominator requires a certain degree of skill to operate, and is a consumer item. Any damage or dissatisfaction as a result of accidents or modifications are not overed by any warrantee and cannot be returned for repair or replacement. Please contact our distributors for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance. As Align Corporation Limited has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

模型結局壓於無點操作技術且為消耗性之高的。如照拆裝使用後,增加水不等情況零件損耗,任何使用精況所造成商品不良或不滿意,病無法於保國條件內更換 新原級認算,如西門使用操作維修問題,本公司监督分公司承代電局指接持技術器。 特爾爾子代謝服務,對應用能物不着使用、設定、組織、條文、或操作不 良所滅成的機構成構造,本公司無法控助政員責,任何使用、設定、組織、條改、或操作不原所造成的機構、多分或傳播、使用極端液像全部責任。

SAFETY NOTES 安全注意事項

ALIGN



Fly only in safe areas, away from other people. Do not operate R/C aircraft within the vicinity of homes or crowde, of people. R/C
aircraft are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilots are responsible for their actions and damage or injury occurring during the operation or as of a result of R/C aircraft models.

· Prior to every flight, carefully check rotorhead spindle shaft screws and tail blade grip screws, linkage balls and screws, ensure they are firmly secured.

- 施克提·加热· 克耳·機關在您就在他名。所付海肠心臟亂人甚一人為相稱不常認與性利潤。 電子於助設備不良,以及接從上的不熟悉、都有可能等致飛行失控 頂傷等不必預期的應外,填稿行者防心注意飛行安全,並順了解自負無忽所造成任何應分之實生 - 德周殊行衛務使于上世漢東之機轉越縣、紀世漢史機議林,以及與身各都已证策,領赫、橫貫上聯陳某才能升空飛行。

○ FCREIDDEN LOCATE AN APPROPRIATE LOCATION 遠離障礙物及人群

R/C helicopters fly at high speed, thus posing a certain degree of potential danger.

Choose a legal flying field consisting of flat, smooth ground without obstacles. Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others and your model. For the first practice, please choose a legal flying field. Do not fly your model in inclement weather, such as rain, wind, snow or darkness

直昇機飛行前具有一定的速度,相對的也蓋在著危險性,塌地的選擇也相對的重要,請需遵守當地法規 到合法基理換行場此程行。務必選擇任空欄合法專屬飛行塌地,並必須注應周遭有沒有人、高樓、建築 物、高壓電線、都木等等,要免接它的不當面成自己與他人財產的網線。 請勿在下雨、打雷等惡劣天候下操作,以確保本身及機關的安全。



○ FOREIDDEN NOTE ON LITHIUM POLYMER BATTERIES 鋰聚電池注意事項

Lithium Polymer batteries are significantly more volatile than alkaline or Ni-Cd/Ni-MH batteries used in RC applications. All manufacturer's instructions and warnings must be followed closely. Mishandling of Li-Po batteries can result in fire. Always follow the manufacturer's instructions when disposing of Lithium Polymer batteries. 經歷電池證一般在RC使用的顧性電池、鎮錫電池、鎮氫電池比較起來是相對危險的。磷嚴格遵守健聚電池說明書之使用注意事項。不恰當使用鍵聚電池,可能造成火災並偏及生命財產安全,切勿大意!



PREVENT MOISTURE 遠離湖濕環境

R/C models are composed of many precision electrical components. It is critical to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the model to malfunction resulting in loss of use, or a crash. Do not operate or expose to rain or moisture.



PROPER OPERATION 勿不當使用本產品

Please use the replacement of parts on the manual to ensure the safety of instructors. This product is for R/C model, so do not use for other purpose. 請勿自行改造加工,任何的升級改裝或維修,請使用亞拓產品日發中的零件,以確保結構的安全。 請確認於產品服界內提作,請勿過數使用,並勿用於安全、法令外其它非法用途。



↑ WARNING OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT 避免獨自操控

Before turning on your model and transmitter, check to make sure no one else is operating on the same frequency. Frequency interference can cause your model, or other models to crash. The guidance provided by an experienced pilot will be invaluable for the assembly, tuning, trimming, and actual first flight or unforeseen danger may happen. (Recommend you to practice with computer-based flight simulator.)



至飛行場飛行前,需確認是否有相同頻率的同好正進行飛行,因為開放相同頻率的發射機將導致自己 與他人立即干擾等意外危險。遙控飛機操控技巧在學習初期有著一定的難度,要盡量避免獨自操作飛 关心之前,接受都不能称。 一种,是有效的人士在旁指導,才可以操控系行,否則將可能造成不可預期的意外發生。(勤鍊電腦模擬器及老手指導是入門必要的選擇)

SAFE OPERATION 安全操作

Operate this unit within your ability. Do not fly under tired condition and improper operation may cause in danger. Never take your eyes off the model or leave it unattended while it is turned on. Immediately turn off the model and transmitter when you have landed the model.



請於自己能力內及需要一定技術範圍內操作這台直昇機,過於疲勞、精神不佳或不當操作,意外發生團 蘇絡可能會探寫。不可在總總範數以推行,隨後後也據原上賴掉實見機到案均與實資。

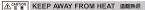


ALWAYS BE AWARE OF THE ROTATING BLADES 遠離運轉中零件

During the operation of the helicopter, the main rotor and tail rotor will be spinning at a high rate of speed. The blades are capable of inflicting serious bodily injury and damage to the environment. Be conscious of your actions, and careful to keep your face, eyes, hands, and loose clothing away from the blades. Always fly the model a safe distance from yourself and others, as well as surrounding objects.



直昇機主從翼與尾從翼運轉時會以高轉速下進行,在高轉速下的從翼會造成自己與他人在身體上或環境上的嚴重損傷,請勿觸接運轉中的主從翼與尾旋翼,並保持安全距離以避免造成危險及損壞。



R/C models are made of various forms of plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climate-controlled, room temperature environment. 签控飛機多半是以 PA 纖維或聚乙烯、電子商品為主要材質,因此要盡量遠離熟源、日囊,以避免因高 溫而變形甚至熔毀損壞的可能。





自備遙控及電子設備





Transmitter(6-channel or more, Helicopter system) 發射限(六數以上直容機模式循符號)



Intelligent Balance Charger RCC-6CX 智慧型分配充電器 RCC-6CX



RCC-300 Battery Charger RCC-300 李爾家





Receiver(6-channel or more) 援収器(六動以上)



Remote Receiver 衛星天線





22.2V 6S 4500~5200mAh Li-Po Battery x 2 pcs 22.2V 6S 4500~5200mAh Li-Po Sijs x 2

ADDITIONAL TOOLS REQUIRED FOR ASSEMBLY 自備工具



[H70118] Swashplate Levele 十字像校正器

Philips Screw Driver



Hexagon Screw Driver 六角螺絲起子 3mm/2.5mm/2mm/1.5m







[HETMT901] Multi-functio 保功能納到計





Cutter Knife 刀子 PACKAGE ILLUSTRATION 包裝說明

ALIGN

700FLT6 700 Carbon Fiber Blades x 1set Carbon Fiber Tail Boom x 1 700 碳纖主旋翼 ×1組 碳纖星管 x 1 700HB19 700HB18 800HB5 700HT 700FLH16 700FLH13 無平衡翼系統 ×1 機頭置 700HB17 700EFLZ DS835M High Voltage Brushless Servo x 1 700HG3 200A無刷期漆器×1

Quick Finder 零件快速購

850MX (490KV/4535) Motor x 1 850MX (490KV/4535) 無劇馬達 x 1 Microbeast PLUS Flybarless System x 1

DS830M High Voltage Brushless Servo x 3 DS830M 高電壓無刷伺服器×3

DS835M 高電壓無刷伺服器×1 200A Brushless ESC x 1

MODEL STANDARD EQUIPMENT DIFFERENCE

標準配備版本說明 ALIGN

There are many versions of T-REX 700X Dominator for your choice. The TOP Combo includes additional electronics and other equipment. The Instruction Manual will refer to the T-REX 700X Dominator TOP Combo. You murchase any additional Items referenced in the instruction manual or any spare parts for other 700X Dominator version by referring to more product information in this manual.

T-REX 700X Dominator 系列商品有多種版本可作為選擇,除標準配備會 因您購買的商品版本而有些徵不同,在組裝、設定上都是一致的,在此我 們以 TOP Combo作為操作範例,您也可依顯書面上的商品資訊來增添其 檢灣鐵路品表



T-REX 700X DOMINATOR TOP C	T-REX 700X DOMINATOR TOP COMBO STANDARD EQUIPMENT		O標準配備 [RH70E35AT]	
700HC7	700FLH	700НВ17	700HB11B	
700HB19	700HB18	800HB5	700HG3	
700HT17	700HT	700EFLZ	700FLT6	
700 Carbon Fiber Blades x 1set 700 被建設費 x 1 起	MAx4 Set Screw x 2 M4x4 上限額x 2 Motor Slant Thread Pinion Gear 13T x 1	RCM-BLS50MX Brushless Motor (490KV/4335) x 1 RCM-BL850MX 無別馬遊 (490KV/4535) x 1	Microbeast PLUS Flybarless System x 1 無干御質系統 x 1	
200A Brushless ESC x1 200A 無刷罰速器 x1	DS830M High Voltage Brushless Servo x 3 DS830M 高電製用例很設 x 3	DS835M High Voltage Brushless Servo x 1 DS835M 高電数解析例設議 x 1	Repair Towel x 1 組修線内 X 1	

CAREFULLY INSPECT BEFORE REAL FLIGHT 請嚴格執行飛行前之檢查義務

- · Before flying, please check to make sure no one else is operating on the same frequency for the safety.
- · Before flight, please check if the batteries of transmitter and receiver are enough for the flight.
- Before turn on the transmitter, please check if the throttle stick is in the lowest position. IDLE switch is OFF.
- When turn off the unit, please follow the power on/off procedure. Power ON- Please turn on the transmitter first, and then turn on receiver. Power OFF- Please turn off the receiver first and then turn off the transmitter. Improper procedure may cause out of control. so please to have this correct habit.
- Before operation, check every movement is smooth and directions are correct. Carefully inspect servos for interference and broken gear.
- Check for missing or loose screws and nuts. See if there is any cracked and incomplete assembly of parts. Carefully check main rotor blades and rotor holders. Broken and premature failures of parts possibly cause a dangerous situation.
- · Check all ball links to avoid excess play and replace as needed. Failure to do so will result in poor flight stability.
- Check if the battery and power plug are fastened. Vibration and violent flight may cause the plug loose and result in out of control
- 每次飛行前廠先確認所使用的標案要否會干傷他人,以確保您自身與他人的安全。
- 每次飛行前確定您發射器與接收器電池的電量是在足夠飛行的狀態。
- · 歸機前確認油門搖桿是否位於最低點,熄火降落開闢,定速開闢(IDLE)是否於關閉位置。
- ·縣機時必須遵守電源開聯機的程序,開機時應先開放發射器後,再開放接收器電源;聯機時應先關閉接收器後,再關閉發射器電源。不正確的開關程序可能會 造失控的現象,影響自身與他人的安全,請養成正確的習慣。
- 。開機勝失確定直算物的各個動作是否順幅,及方向是否正確。並被查個服務的動作是否有干涉或前齒的情形,使用故障的內服務將導致不可預期的危險。 另行前面波於指於少減裁的的維持與媒体。確認沒有絕來不完核或排投的零件,仔細使重主投資子系則線。特別是接近主发資子延的即位。刺導或組集不完 核物音本不僅能發行,更會也多不可關的危險。于這一級政府前的社會社會、任意一及更可能的重要線式「經濟
- · 核查所有的連择頭是否有鬆혔的情形,邊繫的連桿頭應先更新,否則將造成直昇機無法操控的危險。 · 確認需物及需要採頭最否因定定機,發行力的運動或等別如發行,可能達成電資採頭動變而達成生物的价餘。
- When you see the marks as below, please use relative glue or grease to ensure flying safety.
 - 標有以下符號之組裝步驟,請配合上膠或上油,以確保鎖附零件使用之可靠度。
 - ・CA: Apply small amount of CA Glue to fix. 瞬間夢:使用適量瞬間都固定
 - R48:Apply small amount of Anaerobic Retainer to fix.

 Grease:Add small amount of Grease.

 敦和廖:使用適量減氧原因定

OIL: Add small amount of OIL. 類语由: 添加油量整治油

T43: Apply small amount of Thread Lock to fix. 螺絲膠:使用適量螺絲膠

When assembling ball links, make sure the "A" character faces outside. 各国贸易则请相随和投资," A "学髓部外。

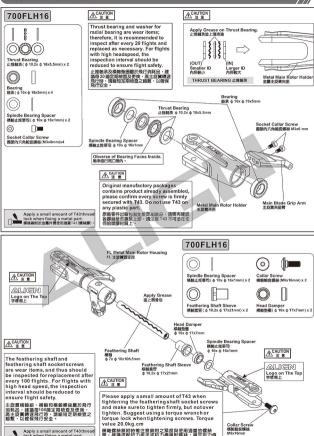


- Anaerobic Retainer (R48) is green penetrating threadlocker and is used to fix the metal tube before assembly at temperatures up to +180°C •
- 2. Thread Lock(T43) is blue low strength threadlocker and is applied to the small screw(threads) or metal parts before assembly to prevent loosening. Ensure to apply only a small amount and wipe surplus off. When disassembling, recommend to heat the metal ion int about 15 Seconds.
- 3. Grease is kind of lubricant additive which is applied to the one-way bearings or thrust bearing.

Sased on parts physical attributes, please apply small amount of the relative glue or grease accordingly to prevent any parts damage or loosening or unexpected danger happened.

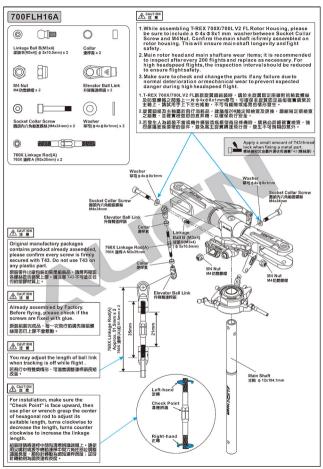
- 1.缺氧器(R48)為綠色高強度快速固化的缺氧器,適合於金屬管狀固定用,可耐高溫至180°C。
 2.螺絲器(T43)為藍色低強度擴絲器,適合小型螺絲;使用於金屬內外徑或膠合螺絲時,請務必適量使用,必要時請用手去除多餘器量,欲拆卸
- 時可於金屬接合部位熟締約 15 秒。 3.润滑油 (Grease) 為舊狀潤滑油,適用於單向輸承或止推輸承。
- ②上述各類功能膠(油)臍依零件屬性需求自行準備並斟酌其用量,以達到最佳組裝狀態,避免因使用不當造成零件損壞或不可預期的意外發生。

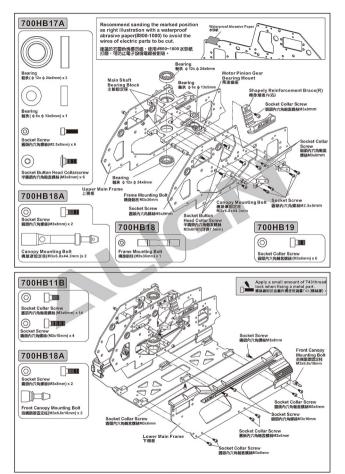
lock when fixing a metal part. 國籍翻散於命國件類停用海圈T43(螺絲器)



\$20.0kg.cm

700FLH16 Apply a small amount of T43thread lock when fixing a metal part. 螺絡器附於金屬件調使用證實T43(螺絲膠) Bearing Bearing 飽汞(\$ 3x \$ 7x3mm) x 4 記录(\$2x \$5x2.3mm) x 4 Original manufactory packages contains product already assembled. please confirm every screw is firmly Washer Ψα5Πer Collar 華司(φ3xφ4.8x0.3mm) x 2 指臂軸承被裏(φ3xφ4.8x1.5mm) x 2 secured with T43. Do not use T43 on any plastic part. 原裝零件出廠包裝如果是組裝品,請需再確認 各類結是否鎖聚上膠。請注意 T43 不可塗在任 何的的際材質上。 700FLH13 (O) 700N Linkage Ball B(M3x4) 700N 設備 B(M3x4)(ф 5x12mm) x 6 Long Linkage Ball (M3x4) 導板長球頭 (M3x4) (φ 5x29mm) x 1 700FLH16A Socket screw 圆頭內六角螺絲(M2x5mm) x 4 Socket Screw 問頭內六角螺絲(M3x12mm) x 2 Bearing Milk & 2x & 5x2.3mm 0 Degree Pitch Marke Radius Arm Socket Screw 圓頭內六角螺絲 M2x5m Collar Web or a **樹質帕承収**套(φ3xφ4.8x1.5 Bearing 野承 女3x 女7x3mm Control / 控制階 700N Linkage Ball B(M3x4) 華司 ф 3x ф 4.8x0.3mm Socket Screw 質面內六角螺絲 M3x12mm Long Linkage Ball (M3x4) 湯板侵球頭(M3x4) φ 5x29mm CCPM Swashplate CCPM 十字盤組 Use The Outer Hole 請網附於外孔

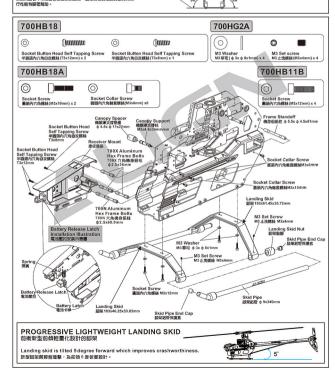


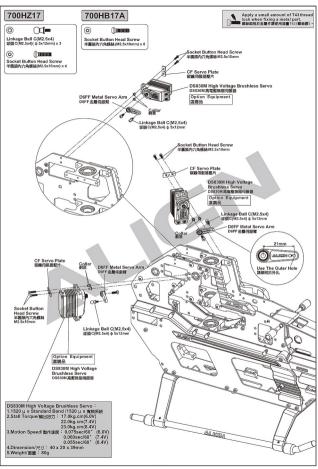


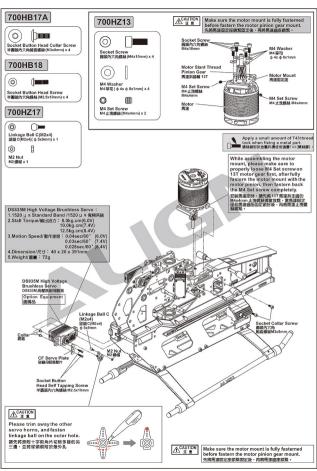


漫順,主體底板必須開水平卓面(玻璃平面)器書製貼;請保持主練 滑順與底板平行桌面後慢慢鎖緊螺絲。正確倒板的組裝對動力與飛

士886005

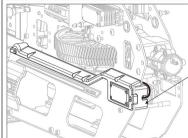






SERVO WIRING ILLUSTRATION

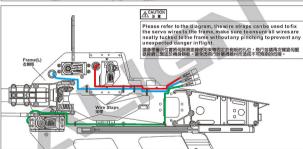
88.翠缤绵云音画

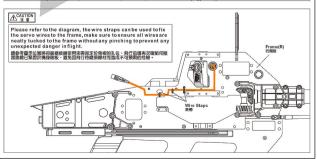


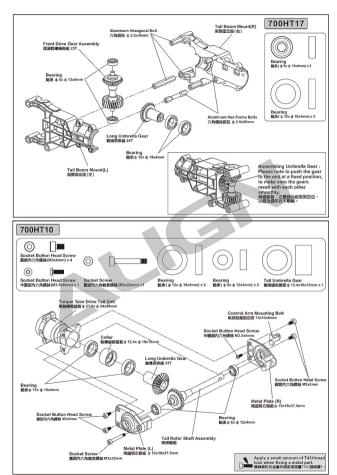
INNOVATIVE SERVO EMBEDDED MOUNT 獨劇伺服器嵌入式基库

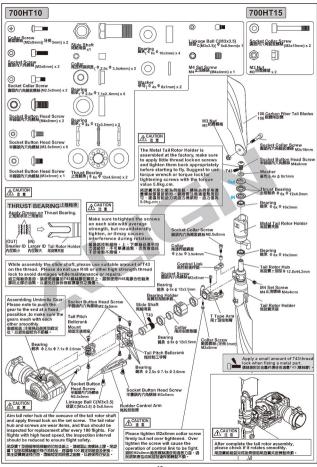
Servo mount manufactured using the latest composite material technology to integrate carbon fiber and POM (polyacetal), which efficiently strengthen its protective function and reduces abrasion of signal wires.

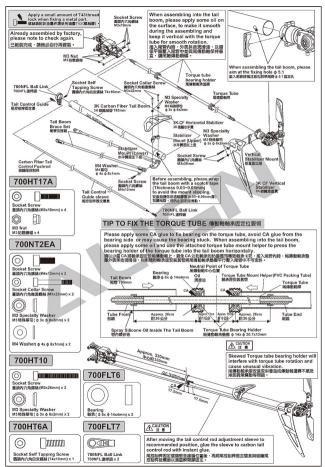
採用複合材質技術將碳纖板與POM塑鋼材質運用於伺服器 率,有效增強保護效果並降低飄號線的廳指。

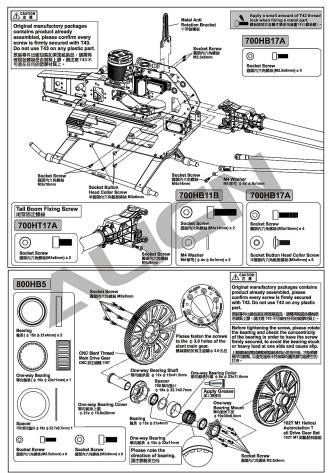


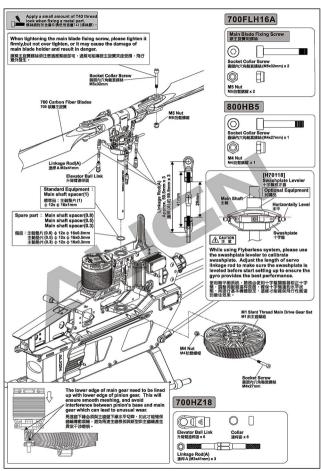




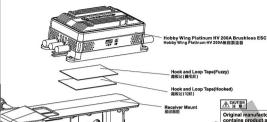




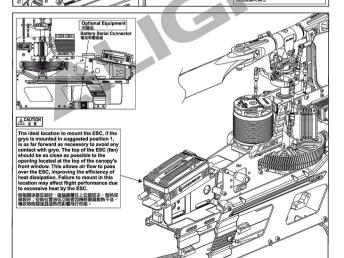












Original manufactory packages

contains product already assembled, please confirm every screw is firmly

secured with T43. Do not use T43 on

↑ CAUTION 注 質

any plastic part. 原裝客件出版包裝如果是組裝品・講應再確認 各類絲是否鎖緊上腳・請注度T43不可遂在任 何的塑腳材質上・

企CAUTION 注意

A MOUNTING ORIENTATION OF MICROBEAST PLUS MICROBEAST PLUS的安装方向

Please visit Align download area to get the completed instruction manual at Align website.

更多詳細的設定操作說明請至官網下數專屬下載。

http://www.align.com.tw/beastx/

Microbeast PLUS provides 8 different direction choicescan be installed on any position of helicopter.

Microbeast PLUS 提供8種不同方向選擇,可以安裝在機體的任何一個位置。

THE COLOR OF THE STATUS-LED SHOWS THE CURRENTLY SELECTED ORIENTATION: LED指示提狀振順示安裝方向:









Status LED Off* Status-LED 撥熄滅*

Status-LED 燈 紫色閃爍

Status LED





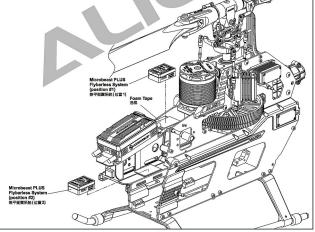
Flashing Red Status-LED 燈 紅色閃爆

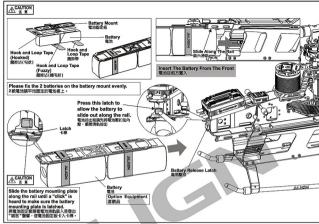
Front 機頭方向

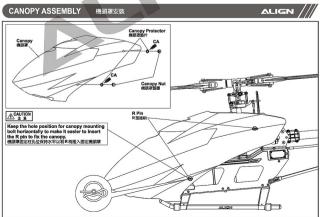
Status LED Red Status-LED 物紅色

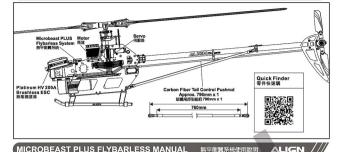
Flashing Blue Status-LED 燈藍色閃耀 *Factory Setting *出廠預設值

Status LED Flashing Red/Blue Status-LED 億 紅色/藍色同時









MICROBEAST PLUS Flybarless System as ALIGN helicopter standard equipment, must and compatible with ALIGN standard equipment including blades, servos, motor, battery and so on, please refer to flight and setup instruction in this manual.

ALIGN 直昇機使用 MICROBEAST PLUS 無平衡魔系統,須搭配 ALIGN 直昇機標準配件(主旋翼、伺服器、馬灣)與飛行操作、設定指示。

USER NOTICE 使用注意事項



- 1.If assembling and operating the helicopter without using A LIGN standard equipment, including electronic equipment & blades...etc, please make sure there is a sufficiently large and stable pov supply to your helicopter. If there is any abnormal voltage or insufficient power supply, suggest to upgrade the flybariess system to MICROBEAST PLUS HD (Optional) for better power back up.
- 2.Please refer to BEASTX MICROBEAST PLUS/HD website for MICROBEAST PLUS/HD assembly and setup instruction.
- 3.Any over use, incorrect setup, missassembly, incorrect modification or misuse will lead to abnormal voltage, electronic devices damage, structural interference, and insufficient power supply. Make sure to carefully check every assembly and setup refer to the manual instruction prior to every flight to prevent any unforeseen danger.
- 1. 安装、操控您的直昇機持。如非使用ALIGN 標準配件(含電子配件、主旋賽等)。講務必確定您的供電系統有足夠的供電能力,如發現電歷異常、供電不足,建議從升級使用MICROBEAST PLUS HD 無平衡翼系統(選配),以能確保充足、穩定的接收器電源。
- 2.MICROBEAST PLUS/HD使用、設定、接線,隨參照 BEASTX MICROBEAST PLUS/HD 實方說網。

MANUAL LINK 10 完操作連結

MICROBEAST PLUS Flybarless System is the latest version out of the factory, please feel at ease using it. You can also link to BEASTX MICROBEAST PLUS/HD website to get the latest version and the latest news. MICROBEAST PLUS Flybarless System has available some different versions, each version has different programming and function, please make sure your Microbeast version and read its correct manual carefully before assembly or upgrading, especially you are upgrade from version V3.2.X. to V.4.X.X by yourself, in order to avoid mistake or loss by any misunderstanding, please be sure that you have correct version and follow its setting method accordingly. And please refer to MICROBEAST PLUS V3.2.x and V4.2. instruction manual for operating and setting.

MICROBEAST PLUS無平衡翼系統,出廠防主程式已是最新版本。您也可以連結至BEASTX MICROBEAST PLUS/HD官網查詢,隨转更新最新版 本及各項最新訊息·和分級本因升級而設定及功能會有所不同,隨確定您的版本並詳顯其說明書,尤其您是由 V3.2.x 升級至 V.4.x.x · 賴務必深入 了解版本之辈的設定功能,以免錯誤而造成損失。操作設定請同時參照V3.2.x版及V4.2版使用說明書。



Please visit Align download area to get the completed instruction manual at Align website.

更多詳細的設定操作說明請至官網下載專履下載。 http://www.align.com.tw/beastx/

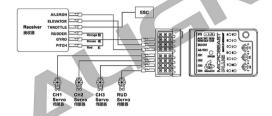


PARTS IDENTIFICATION 各部位名籍

MICROBEAST PLUS FLYBARLESS SYSTEM 無平衡翼系統



MICROBEAST PLUS FLYBARLESS SYSTEM WIRING DIAGRAM 無平衡翼系統接線示意圖





For detail connectivity, please scan QR Code then follow MICROBEAST PLUS manual. 解絕接線方式,請將提QR Code 連結至MICROBEAST PLUS說明書。

企CAUTION 注意



MICROBEAST PLUS HD Flybariess System(Optional) MICROBEAST PLUS HD無平衡翼系統(選配)

If assembling and operating the helicopter without using ALIGN standard equipment, including electromic equipment & blades...etc, please make sure there is a sufficiently large and stable power supply to your helicopter. If there is any abnormal voltage or insufficient power supply, suggest to upgrade the flybarless system to MICROBEAST PLUS HID (optional) for better power back up. Please refer to EBASTX website for MICROBEAST PLUS HID assembly and setup instruction.

交裝、操舵应的直昇機時,如非使用ALIGN標準配件(含電子配件、主提質等),轉換必確定您的供電系統有足夠的供電能力,如發 現電觀異常,供電不足,建築您升級使用MICROBEATP PLUS HD 展平衡膜系統(建配),以能應使充足、穩定的接皮器電源。 MICROBEATP PLUS HD 使用、数定、接触、摄像器 MICROBEATS PLUS HD 包含方途嵴。 To set this option is to turn on the transmitter and connect to BEC power.

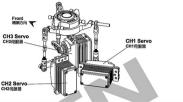
Note: For the safety, please do not connect ESC to the brushless motor in order to prevent any accident caused by the motor running during the setting.

此頂股常只要關放發射器,接上BEC電道即可推行操作。

注實: 為了安全配目,特定前請供不要將無國國演樂與無國區達三條榜終上,以金領格時段動區達而發生余條。

SERVO CONFIGURATION 伺服器配置

Following the servo configuration diagram on right, plug the servos to Gyro. 請依照右團團示的伺服器名襲,將伺服器接到贮螺織。



ADJUSTMENTS FOR GYRO AND TAIL NEUTRAL SETTING 陀槃儀異異翼中立默設定調整 本上してい

Turn off Revolution mixing[RVMX] mode on the transmitter, then set the gain switch on the transmitter and the gyro to non-head lock mode, or disable gain completely. After settling the transmitter, connect the helicopter power and proceed with rudder neutral point settling. Note: When connecting to the helicopter power, please do not touch tall rudder sick and the helicopter, wait for 3 seconds for gyro to enable, and the rudder serve hom should be 90 degrees to the tall serve. It all pitch slider should be halfway on the tall output shaft. This will be the standard rudder neutral point. After completing this settling, set the gain switch back to heading lock mode, with gain at around 70%.

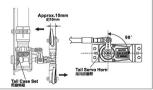
發射部內於繼續設定轉屬跨程能證於構式,並將發射器上的感度階級與於機能可管"非新定模式"或將於繼續將疫期限。發射器設定完成後接上臨界機電源,即可 進行規能中立該設置,注意"接接上自界機電影時間沙壓動能能能模型或跨機機器,待当沙延續時期表现後,是而被背陽與尾向肢系的成 90度,尾旋翼控制服須 正暗暗於后機器的中國所言,影場無理原於中心等談響,整理宗教的,持衛等等。除性或一家發發射 10% 去不

TAIL NEUTRAL SETTING

尾中立點設定

After the gyro is enable and under non-head lock mode, correct setting position of tail servo and tail pitch assembly is as photo. If the tail pitch assembly is not in the middle position, please adjust the length of rudder control rod to trim.

陀螺儀開機後,在非鎖定模式下,尾伺級器與尾 Pitch控制組正確機響位 雪。若尾 Pitch控制組未置中時調器整尾控制連桿的長度來修正。



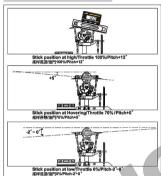
HEAD LOCK DIRECTION SETTING OF GYRO 於螺傳道定方向約分

To check the head lock direction of gyro is to move the tail clockwise and the tail servo horn will be trimmed counterclockwise. If it trims in the reverse direction, please switch the gyro to "REVERSE".

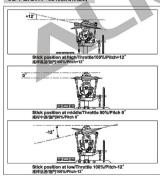
陀螺儀鍋定方向確認,當手搖尾部順時鐘擺動,尾伺級臀應反時鐘修 正,反向時間切換陀螺模上"鍋定反向"開陽修正。



GENERAL FLIGHT 一般飛行模式



3D FLIGHT 3D特技飛行模式



ACTION 1. Pitch range: Approx. ±15...

2. If the pitch is set too high, it will result in shorter flight duration and poor motor performance.

3. Setting the throttle to provide a higher speed is preferable to increasing the pitch too high.

- 1.螺距(Pitch)總行程約 ±15°。
- 2.過大螺距設定,會等致動力與飛行時間降低。 3.動力提昇以較高轉速的設定方式,優於螺距跟大的設定。

GENERAL FLIGHT 一般飛行模式

	Throttle 油門	Pitch 螺距
5	100%High Speed 100%高速	+12*
4	85%	
3	60%~65%Hovering 60%~65%伊数	+5"
2	40%	
1	0% Low Speed	-2° ~0°



Pitch and Rotation Speed Pitch與轉進發係

IDLE 1:SPORT FLIGHT

	Throttle 油門	Pitch 螺距
5	100%	+10*-+12*
4	75%	
3	70%	+5°
2	75%	
1	80%	-5*



IDLE 2:3D FLIGHT

油門		Inrottle	SISE
	5	100% High 100%高	+12*
	3	85% Middle	0*
	1	100% Low 100%(E	-12°



RCM-BL850MX (490KV/4535) MOTOR RCM-RI 850MX (490KV/4535) 無別馬達

Power and torque requirements of enthusiasts, the high output 850MX motor was born in Align's R&D lab. With dramatic increase in torque and power output, capable of 5100 watts continuous power output and 11000 watts of burst power!

850MX Motor has passed various thorough inspections made by our technical department, including motive testing, static testing. magnetic field testing, heat resistance and magnetic loss testing, running balance and vibration testing, noise testing, and many hours of actual loading and flying testing, etc. Align is proud to provide the latest innovations in RC Modeling to its consumers. Please enjoy your Align products safely.

亞和特別針對玩家大動力、高扭力的需求,研發設計出為極致動力而生的850MX 馬達,動力輸出與扭力表現大幅提升,持續輸出功率達 5100W ,瞬間最大輸出功 家可達 11000W。本公司牛牽的高扭力真難來 850MX 馬達,適用於 RC 雷動商品,其高功家高效家輸出結件,適合雷動發揚/雷動百處勝之高扭力高轉來驅動動力 用途,该医控制可提本公司或市值投格無例要子對決敗。顧子採用高磁性材料的鐵明總數而成,定子採用本廠NC自動組織發展高效医療組成型授權,制高為任策 動。小輪探高硬度高線件軸承線及等ZZ高速機物軸承線計,目經由亞斯獨立開發熱計技術,使用壽命長、玄藍高、耐養不易變形、低磁槽、高效能 850 型無別無 速。怒頂新商品已通過本廠投資單位,實施精密嚴格動、靜應,磁場特性、強磁耐高溫磁揚、連轉平紫ლ動及場合、負數會到飛行前時件能等全角壓料的到。

SPECIFICATION 尺寸規格 IIIISTRATION 接線示意圖 (Unit was mm) DC Power DC TON ESC Rlack- se Throffle Signa (Receiver) 31PREM (164V 181)

κν	KV值	490KV(RPM/V)	Input Voltage	輸入電壓	128
Stator Diameter	定子外徑	45 mm	Stator Thickness	定子高度	35mm
Stator Arms	砂鋼片槽數	12	Magnet Poles	磁鐵種數	10
Max Continuous Current	最大持續電流	115A	Max Instantaneous Current	最大瞬間電流	250A(2sec)
Max Continuous Power	最大持續功率	5100W	Max Instantaneous Power	最大瞬間功率	11000W(2sec)
Dimension	RJ	Shaft #6x56.7x112.5mm	Weight	重量	Approx. 570g

The motor rotates in different direction with different brand ESCs. If the wrong rotating direction happens, please switch any two cables to make the motor rotates in right direction. 由於各品牌會子變速器的馬達敦動廳白不盡相同,若發生廳向鐵路時,轉絡馬達與電子變速器的接線任憑條對照照可。

200A BRUSHLESS SPEED CONTROLLER INSTRUCTION MANUAL 無関層決器使用原理 人口にい

PRODUCT FEATURES 產品特色



Hobby Wing Platinum HV 200A Brushless ESC can be set up by ALIGN ASBOX Multifunction Programmer. So please scan QR code for ALIGN website start downloading for more information: http://www.align.com.tw/download-en/asbox/

Hobby Wing Platinum HV 200A無別調迷器可透過ALIGN ASBOX 多功能設定盒進入參數設定,請榜描QR Code 連結亞拓網站下數和聯密展:http://www.align.com.tw/download-en/asbox/

- High performance microprocessor with a running frequency of in to 120 MHz for excellent motor speed-governing and super soft startup.
- Microprocessor powered by independent DC regulator has better antiinterference performance, which greatly reduces the risk of losing control.
- The maximum motor speed can reach 210,000 RPM (for 2 pole motor),
- 70.000 RPM (for 6 pole motor) and 35,000 RPM (for 12 pole motor) Multiple flight modes: Fixed-wing, Helicopter (Linear Throttle), Helicopter
- (Elf Governor), Helicopter (Store Governor). . Data logging records the standardized RPM, minimum voltage and
- maximum temperature of the flight.
- · "Restart in auto function" can manually interrupt the auto rotation and quickly restart the motor to avoid crashes caused by incorrect operations. · WIFI module (sold separately) for programming the ESC wirelessly with
- your smart phone (IOS or Android).
 Internal anti-spark circuitry effectively eliminates electric sparks
- produced when the ESC is powered on. Independent output port for RPM (that is: motor speed) signals. • Separate programming port for ESC parameter setup through ALIGN ASBOX Multifunction Programmer.
- Separate programming port for ESC programming or parameter setting. · Multiple protections like thermal shutdown protection, overload protection,
- over-current protrceion, etc. BEC is separated from other circuits of the ESC, it may keep normal output
- even when MOSFET board of the ESC is burnt or breakdown. Online firmware upgrade via ALIGN ASBOX Multifunction Programmer or
 - WIFI module

使用運行頻率高達120MHz的高性能微處理器,相容多種 無關無達,具備優異的定读和緩與動性能

- 微處理器採用獨立的機壓IC給供電,具有更好的抗干擾 能力,降低生於的可能件。
- 支持馬達毋高韓速可達 210,000 RPM(2福馬達)、 70,000RPM (6極馬達)、35,000RPM (12極馬達)
- 具有 "固定翼模式/直升機線性油門模式/直升機定速模式 /直升機存储定法模式"4種級行模式。
- 具有飛行資料記錄功能,可記錄當次飛行的最低電壓、 暴高淺度資料、暴大雷洛、穩定體接。
- 支援WIFI無級設定,通過手機器(蘋果&安卓)軟體可完成 所有急數設置(需要WIFI機組)。
- 內置防火花電路,有效消除上電腦間產生的電火花。
- · 具有轉速 (RPM) 訊號輸出介面。
- 具備獨立參數設定介面·用於連接多功能LCD專業程式 設計ALIGN ASBOX 多功能設定盒進行參數設定。 具備放動保護、溫度保護、適負荷保護 重保護功能,有物採長雷機停用盡命: 、電流保護等多
- BEC模組和電子調速器其他電路相互獨立,當電子調速 器功率板出現模毀等故障時,最大限度保證BEC正常輸 出,提供效機機會;
- 支援線上積取、設定電設定數,查看速度曲線表(存储模式下),升級電子関連器固件(需要ALIGNASBOX名功能設定會或WIFI標組)。

SPECIFICATIONS 在品相权

Model 型號	Main Applications 應用範圍	Input Voltage 輸入電壓	Cont./Peak Current 持續/瞬間電流	BEC Voltage BEC
	For 700-800 Class Helicopter (Propeller: 700-800mm) 700-800級電動直升機(樂 長:700-800mm)	6~14S LiPo Battery (22.2V~51.8V) 6~12S鋰電池 (22.2V~51.8V)	200A/300A	Switch-mode, 5V~8V Adjustable Voltage (Step: 0.1V), 10A/30A Cont./Peak Current 問題經歷BEC・輸出電歷5V~8V可購(調整個度為0.1V母階)・輸出電流持續10A・瞬間30A
Hobby Wing Platinum HV 200A	Throttle Signal/BEC Output &RPM Signal Transmission Wire 油門信號/BEC輸出&RPM信號傳輸線		Size/Weight 尺寸/重量	Separate Programming Port 獨立參數程式設計介面
×****	White/Red/Black: Throttle Signal Wire; Red/Brown/Yellow: BEC Output & RPM Signal Transmission Wire 日、紅、黑三色製冶池門營建線;紅、棕、黃三色線為 BEC輸出及RPM信號傳輸線		106x50x36mm/325g	For connecting ALIGN ASBOX Multifunction Programmer, WIFI module, or cooling fan. 用於連接ALIGN ASBOX多功能設定 盒或WIFI模組,可為輔助散熱風扇供 電

USER GUIDE 使用說明書

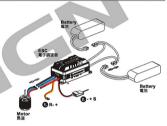
企CAUTION

The default throttle range of this ESC is from 1100 μ s to 1940 μ s, so you need to re-calibrate the throttle range when the first time you use this ESC or after you replace the transmitter.

電子調速器的油門行程出廠預設值為1100 µs~1940 µs。當首次使用電子調速器或者更換其他遙控器使用時,均應重新設定油門行程。

I.Connections 接線示意圖

- RPM Signal Wire(Yellow) & BEC Output Wire (Red/Brown): plug it into the RPM input channel on the flybarfess system. (This wire can be used for the flybarfess system. (This wire can be used for speak-glowering davice, blug it into the battery channel or any unoccupied channel on the receiver. (For better BEC power supply, we recommend plugging this wire into the battery channel or any system is permitted.
- Throttle Signal Wire (White/Rea/Black); plug it into the throttle channel on the receiver or the throttle channel on the receiver or the sex B channel on the VBA system. For which channel you should plug it in, it depends on what kind of receiver and FBL system you use. The White wire is for transmitting throttle signals, the Red & Black cabbe are parallely connected in the BEC output wire, which means BEC voltage output wire and ground cable.



- ① RPM電號線(頁)及BEC輸出線(紅、棕):指入無平碳與系統轉建輸入透道:(書使用外密定旋時・可使用RPM電號線提供轉速值等 入。過滤解外的BEC線出線並入提收轉電池等用各道或卡爾空間透道。(為獲得更好的BEC供電效果,在無平衡與系統允許的情況下,建議 及BEC線料入提平實度系統企業申再通道或任意回摘返車。)
- ② 油門信號線(「白、紅、黑):插入接收機油門通道或無平衡貿系統對應通道,如VBAR系統的RXB通道,依接收機類型及無平衡関系統類型而定。其中白線用於傳送油門信號,而紅線和黑線分別並聯在內部BEC的輸出器(即BEC電壓輸出線和地線)。

II.Throttle Range Calibration 油門行程校準操作方法

企 CAUTION

During the ESC/Radio calibration, please set the throttle curve to NORMAL and ensure the corresponding throttle amounts to the maximum throttle endpoint and the minimum throttle endpoint on your transmitter are respectively 100% and 0%.

進行油門行程校準體,請將油門曲線設置為NORMAL,並確保遙控器油門最高點對應的油門值為100%,油門最低點對應的油門值為0%

Turn on the Connect the ESC to a 5 seconds later, the motor will emit two transmitter and move battery. The motor will emit short beeps indicating the maximum the throttle stick to ▶123" indicating the ESC throttle position has been successfully the top position is powered on normally. calibrated and accepted. 開歐遙控器,將油門打到 等待5秒,馬達發出"暉-暉-"雙短嶋音,表示油 門最高點校準成功 電子調速器接電池,馬達嶋山 >123 提示音,表示供電正常 The motor will beep a

The ESC will keep beeping indicating the number of LiPo cells you have plugged in. (A long beep represents 1. E.g. The ESC will beep two long beeps and two short beeps to indicate a 12S LiPo pack. 馬達路繼續與提示者的實金別數(爰音樂一表示,短音學表示,例至「學表示」,但13程章影像兩回译一樂一個一級

long beep to indicate the calibration is completed, the power system is ready to go. 馬蓬爾山"長杏譚一"代表校準成功,系統準備就義,可隨時起發



PI FASE PRACTICE SIMULATION FLIGHT BEFORE REAL FLYING - 吸行的請惠生熟練需燃煙燃料

A safe and effective practice method is to use the transmitter flying on the computer through simulator software sold on the market. Do a simulation flight until you familiarize your fingers with the movements of the rudgers, and keep practicing until the fingers move naturally.

1. Place the helicopter in a clear open field (Make sure the power OFF) and the tail of helicopter point to vourself.

"Throttle high/low", "Alleron left/right", "Rudder left/right", and "Elevator up/down"

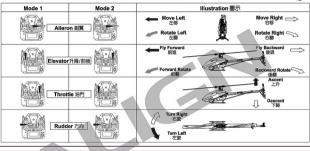
3. The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation orders being call out.

在道沒閱解直具概各動作的操控方式前,嚴禁實機飛行,請先進行電腦機緩飛行的練習,一種最有效、最安全的練習方式,就是透過 市面版售的模藏軟體,以遙控器在電腦上模擬飛行,熟悉各種方向的操控,並不斷的重複,直到手指可熟練的控制各個動作及方向。

1.溶盲层嫌放在空窿的地方(確認電源為緊閉),並溶盲层搏的機能對準白己。

練習操作遙控器的各搖桿(各動作的操作方式如下圖),並反覆練習油門高/低、閱閱左/右、升降舵前/後及方向舵左/右操作方式。

3.模擬飛行的練習相當重要,請重複練習直到不需思索,手指能自然隨著喊出的指令移動控制。



FLIGHT ADJUSTMENT AND NOTICE 飛行網整與注意

企AUTION

OCheck if the screws are firmly tightened.

OCheck if the transmitter and receivers are fully charged.

〇再次確認→螺絲是否鎖因? ○級射器和採取器費物具不足面。

企CAUTION

If there are other radio control aircraft at the field, make sure to check their frequencies and tell them what frequency you are using. Frequency interference can cause your model, or other models to crash and increase the risk of danger. 病使飛行場有其他基控飛機,顯確認性們的頻率,並告知他們原正在使用的頻率,相同的頻率會造成于異導致失控和大大敗增加風險。

STARTING AND STOPPING THE MOTOR 啓動和停止馬達

CAUTION

First check to make sure no one else is operating on the sam frequency. Then place the throttle stick at lowest position and turn on the transmitter.

首先確認附近沒有其他相同頻率的使用,然後打開發射器將油門搖桿推 到低點。

 Check the movement 動が接続

ON! Step1 First turn on the transmitter. 先關府發射器

CAUTION #

Check if the throttle stick is set at the lowest position.

· When arriving at the flying field.

常抵達飛行場

確認油門條桿是在最低的位置。

Are the rudders moving according to the controls? ©Follow the transmitter's instruction manual to do a range test.

〇方向舵是否隨著控制方向移動? 〇根據發射器證明書進行距離測試。

> OFF! Step3 Reverse the above orders to turn off. 器閉電源時講依上述操作動作反執行。







This procedure is best performed on soft surfaces such as grass. The use of rubber skid stopper is recommended on hard surface to prevent vibration feedback from the ground to Gyro, resulting in over-corrections.

將直升機置於柔軟地面上,建議硬地起飛髮架裝上避震整圈。避免升空前變架與過硬的地面實動太大反饋至機身上的陀螺儀,影響無平衡質系 統升空前適居修正。



CAUTION

If swashplate should tilt prior to lift off, do not try to manually trim the swashplate level. This is due to vibration feedback to the Gyro, and will disappear once helicopter lifts off the ground. If manual trim is applied, helicopter will tilt immediately after liftoff.

直昇機載地前,十字盤可能因陀螺鬢受震動的反饋,使十字盤有傾斜的情形,此時請勿刻唐將十盤修正為水平狀態,此現象只要難地升空時立即解除,可平現升空;若刻蔥將十字盤修正為水平時,反而會造成感應器過度修正,一難她即稱任修正方向的危險。

MAIN ROTOR ADJUSTMENTS 主旋翼雙槳平衡調整

- 1.Before adjusting, apply a red piece of tape on one blade, or paint a red stripe with a marker or paint to identify on blade.
- 2.Raise the throttle stick slowly and stop just before the helicopter lifts-off ground. Look at the spinning blades from the side of the helicopter.

 3.Look at the path of the rotor carefully. If the two blades rotate in the same path, it does not need to adjustment. If one blade is
- higher or lower than the other blade, adjust the tracking immediately.
- 周整的先在其中一支主旋翼的翼端,贴上有颜色的贴紙或置上颜色記號,方便雙槳調整辨識。
 危機的推起油門搖桿到高點並且停止,在飛機整開地頁前,從飛機劍得觀察主旋翼翻動。
- 4. 性度因3.5年886的實動動物使到兩支旋臂移動都是相同軌跡,則不需要與熱「可是如果一支旋翼物」或較低產生"雙樂"的特形時,則必須立刻調整軌跡)。
- a. When rotating, the blade with higher path means the pitch is too big. Please shorten ball link for regular trim. b. When rotating, the blade with lower path means the pitch is too small. Please lengthen ball link for regular trim.
- a.能質轉動時較高凱聯的主能質表示螺距(PITCH)幾大,請調短連桿頭修正。 b.旋翼轉動時較低凱聯的主旋翼表示螺距(PITCH)緩小,請測長速程顯修正。

CAUTION # W

Tracking adjustment is very dangerous, so please keep away from the helicopter at a distance of at least 10m.

調整軌跡非常危險,請於距離飛機最少10公尺的距離。

在網整軌跡後,確認一下Pitch角度在停旋時應為大約+5~6°。

Color Mark 特標示記號的主旋翼

FLIGHT ADJUSTMENT AND NOTICE 飛行網整與注意

FOREIDDEN



©Do not attempt to grab or make contact with the helicopter while the main blades are in motion and keep your eyes away from the helicopter. During take-off, landing, and flight, be sure to keep the helicopter away from all obstacles. Operators must stand at least 10 meters away from the helicopter to avoid injury caused by losos parts due to improors assembly or any unforeseen dangers.

○歐黎用手抓取運行中的直昇機,並禁止將直昇機影著級關,當主能質轉動後,或起飛/試系結,務必邊離釋權物,站立位置必需距離 10分尺以上,降每因人為網際不常憑成業件除等,而引發不可隨即的維持方人員損傷。

企CAUTION

@Make sure that no one or obstructions in the vicinity.

©For flying safety, please carefully check if every movement and directions are correct when hovering.

○確認製近地區沒有人和障礙效。

○為了飛行安全,你必須先確認停務時各距操控動作是否正常。

企CAUTION 注意

Do not attempt to fly until you have some experiences with the operation of helicopter. 要禁無約鍊操抑飛行經驗者操抑飛行。

STEP 1 THROTTLE CONTROL PRACTICE 油門控制練習

When the helicopter begins to lift-off the ground, slowly reduce the throttle to bring the helicopter back down. Keen practicing this action until you control the throttle smoothly.

○常直昇機器於鮮地餅,標價隆低油門將飛機蹬下。 持續練習飛機從地面 上升和下路直到恢复得油門控制很順。







STEP 2 AILERON AND ELEVATOR CONTROL PRACTICE 副翼和升降控制練習

1.Raise the throttle stick slowly.

2. Move the helicopter in any direction back, forward, left and right, slowly move the aileron and elevator sticks in

the opposite direction to fly back to its original position. 1.慢慢升起油門搖捏。











@If the nose of the helicopter moves, please lower the throttle stick and land the helicopter. Then move your position diagonally behind the helicopter 10M and continue practicing. If the helicopter flies too far away from you, please land the helicopter and move your position behind 10M and continue practicing.

○當直昇機機面質移跡・環接低油門並且降落・然後移動自己的位置到直昇機的正後方10公尺再繼續練習。

○假如直昇機飛離你太遠,請先降落直昇機,並到直昇機後10公尺再繼續練習。

STEP 3 RUDDER CONTROL PRACTICING 方向於操作練習

1.Slowly raise the throttle stick.

2. Move the nose of the helicopter to right or left, and then slowly move the rudder stick in the opposite direction to fly back to its original position.

1.慢慢升起油門搖桿。

2.將直昇機機頭移動左或右,然後慢慢反向移動方向舵搖桿並將直昇機飛回原本位置。









STEP 4

After you are familiar with all actions from STEP1 to 3, draw a circle on the ground and practice within the circle to increase your accuracy. 當你覺得 STEP1~3 動作熱悉了,在地上畫圈圈並在這個圈圈的範圍內練習飛 行,以增加你操控的滋確度。

○You can draw a smaller circle when you get more familiar with the actions.
○営你更加營糧格作動作,你可以書更小的廢閥。



STEP 5 DIRECTION CHANGE AND HOVERING PRACTICE 改變百昇機方向和練習停旋

After you are familiar with STEP1 to 4, stand at side of the helicopter and continue practicing STEP1 to 4. Then repeat the STEP1 to 4 by standing right in front of the helicopter. 觉你带得STEP1~4動作熟悉了,所在而對這麼勝引海並繼續接受STEP1~4。之後,就在這麼機構而右海重複步觀接營。











$\overline{}$			////
	Problem 狀 況	Cause 原 因	Solution 對 策
Blade Tracking 雙獎平衡	Tracking is Off 雙榮	Pitch linkage rods are not even length PITCH連桿長度調整不平均	Adjust length of Linkage rod A. 洞鉴速柳A现度
	Headspeed too low 主旋興轉速偏低	Excessive pitch 主旋翼的PITCH鏡高	Adjust ball link to reduce pitch by 4 to 5 degrees. Hovering headspeed should be around 1700-1800RPM. 國際直接協關保护[比於] + 4-5服 (停服约主旋賽灣為約1700-1800RPM)
Hover		Hovering throttle curve is too low 停懸監油門無線過低	Increase throttle curve at hovering point on transmitter (around 60%) 講案停懸動油門曲線(約60%)
停販	Headspeed too high 主放異傳述編寫	Not enough pitch 主放舞物PITCH銀径	Adjust ball link to increase pitch by 4 to 5 degrees. Hovering headspeed should be around 1700~1800RPM. 開發程序可能。RPMC+6-56程 (伊德拉主政實際為約1700~1800RPM)
		Hovering throttle curve is too high 停懸散液門無線過高	Decrease throttle curve at hovering point on transmitter (around 60%) 講友傳發起港門曲線((960%)
	Drifting of tail occurs during hovering, or delay of rudder response when centering rudder stick. 伊斯特里匈英一番福林・玻璃動力向舱 中国大学技术中央大学技术中央大学技术中央大学技术中央大学技术中央大学技术中央	Rudder neutral point improperly set 尾中立點投定不需	Reset rudder neutral point 国政局中立起
Rudder Response 尾舵反應		Rudder gyro gain too low 尾舵陀螺磷想度偏低	Increase rudder gyro gain 嫩加尾舵陀蟒嶺縣廢
	Tail oscillates (hunting, or wags) at hover or full throttle 停懸或全油門時尾翼左右來回捲機。	Rudder gyro gain too high 尾蛇陀療儀悉度偏高	Reduce rudder gyro gain 降低尾能陀螺曲感度

If above solution does not resolve your issues, please check with experienced pilots or contact your Align dealer. ※在微完以上調整後,仍然無法改善情況時,最互即停止飛行並向有經驗的飛手路跨或達絕您的經銷商。

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Specifications & Equipment/規格配備:

Length/機身長:1320mm

Height/機身高:360mm

Main Blade Length/主旋翼長:700mm

Main Rotor Diameter/主旋翼直徑:1582mm

Tail Rotor Diameter/尾旋翼直徑:281mm

Motor Drive Gear/馬達齒輪:13T Main Drive Gear/主齒輪:110T

Autorotation Tail Drive Gear/尾驅動主齒:102T

Tail Drive Gear/星翼傳動齒:23T

Drive Gear Ratio/齒輪傳動比: 8.46:1:4.43

Flying Weight(with batteey)/全配重(含電池): Approx. 5100g



